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FIG. 1

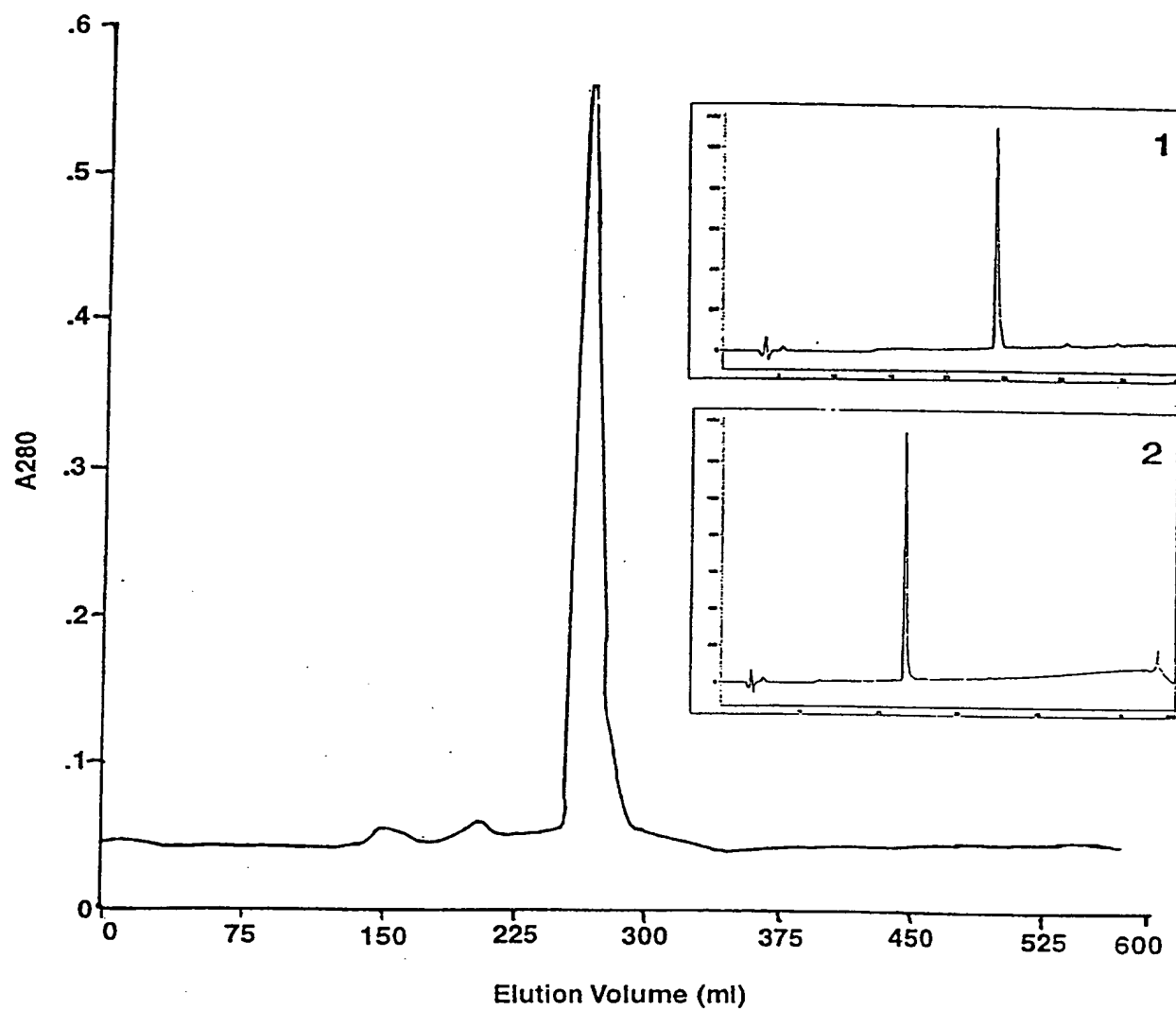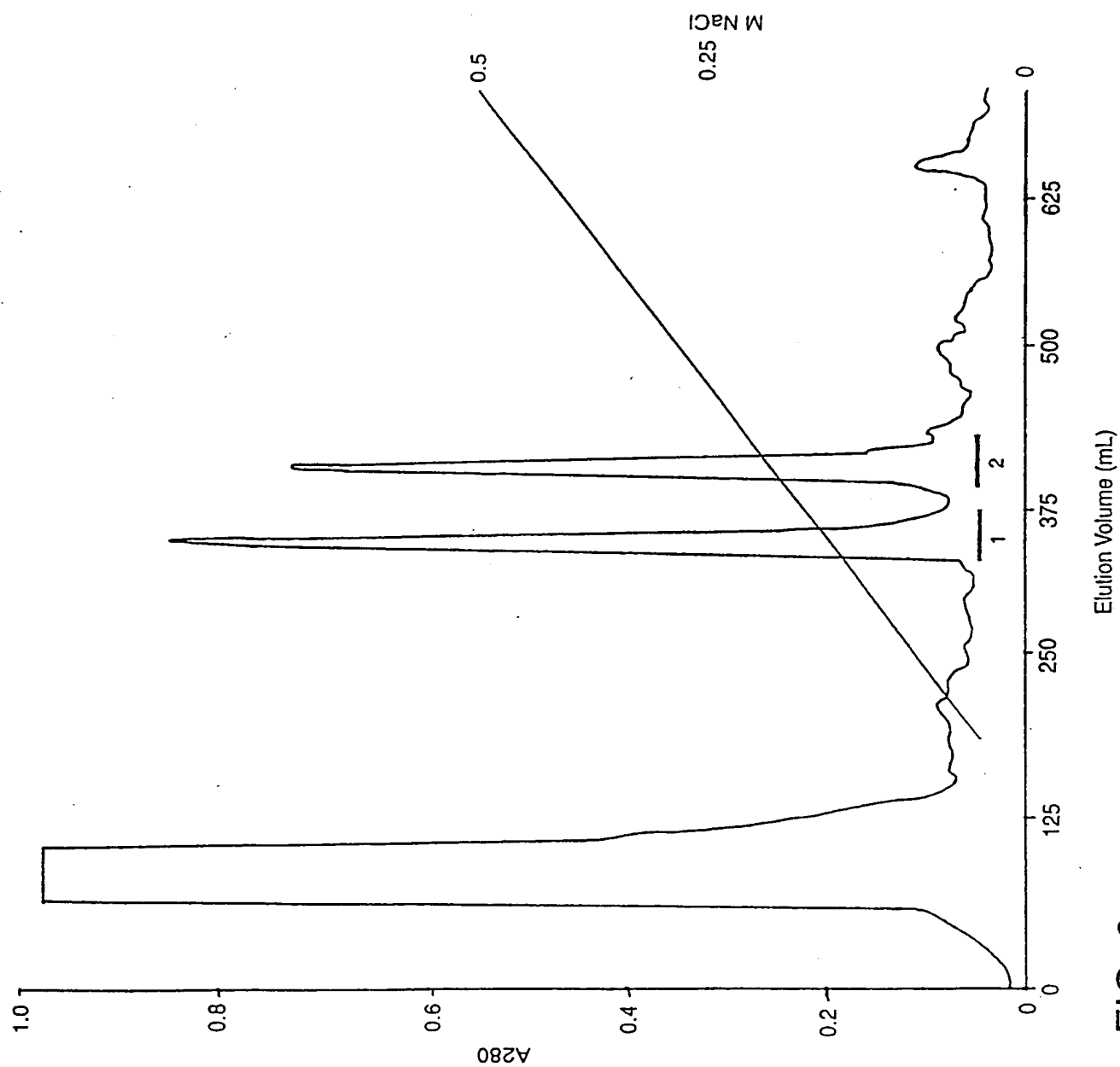FIG. 2

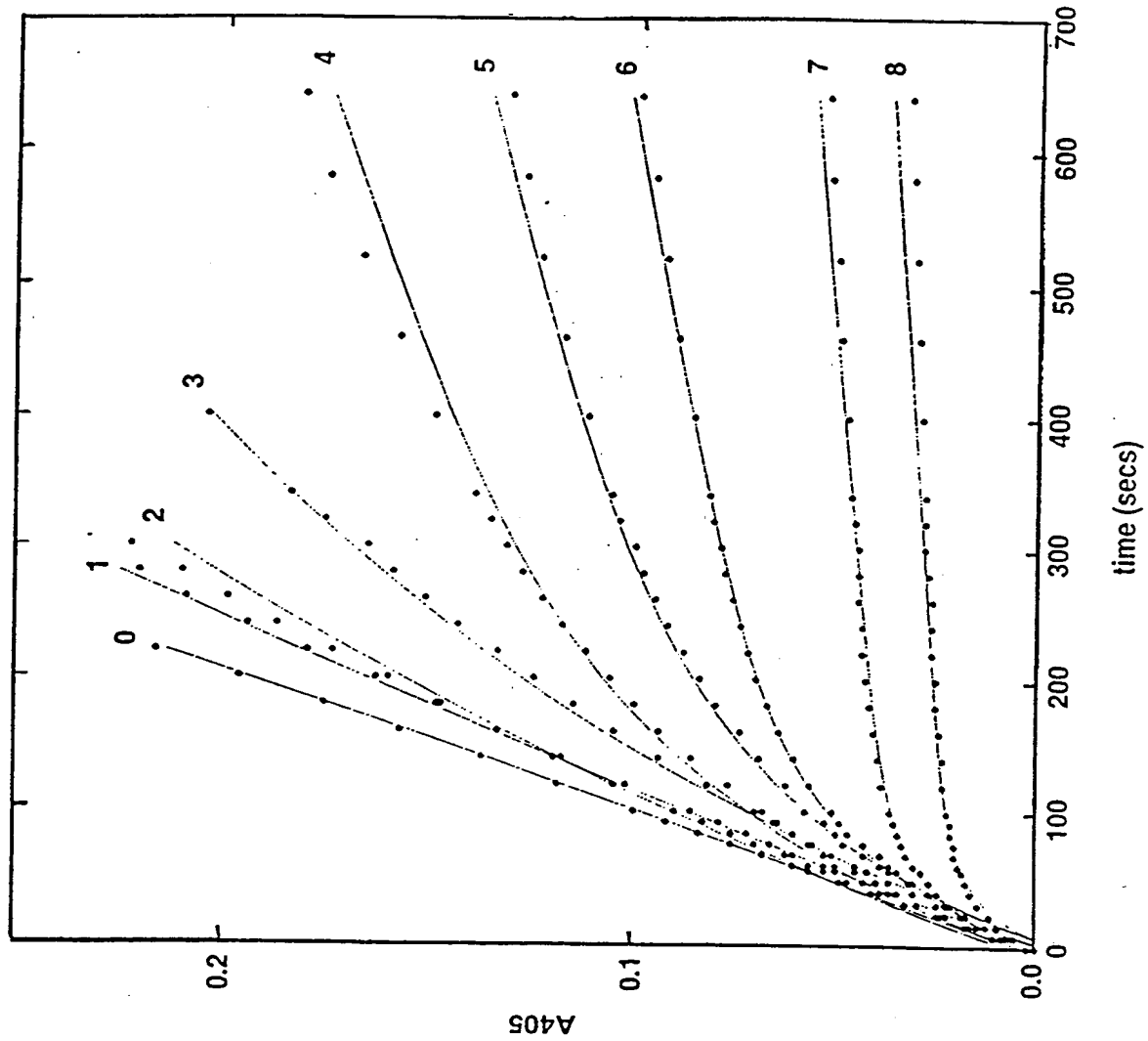FIG. 3

FIG. 4

```
           10         20         30         40         50         59

KDRPDFCELP ADTGPCRVRF PSFYYNPDZK KCLZFIYGGC EGNANNFITK EECESTCGS    TXLN1

KDRPELCELP PDTGPCRVRF PSFYYNPDEQ KCLEFIYGGC EENANAFITK EECESTCGG    TXLN2

KDRPKFCHLP PKPGPCRAAI PRFYYNPHSK QCEKFIYGGC HGNANKFKTP DECNYTCLGVSL TAC

RPDFCLEP PYTGPCKARI IRYFYNAKAG LCQTFVYGGC RAKRNNFKSA EDCMRTCGGA     APRO
```

FIG. 5

```
ATG AAG GAC CGG CCT GAT TTT TGT GAA CTG CCT GCT GAC ACC GGA CCA TGT
 M   K   D   R   P   D   F   C   E   L   P   A   D   T   G   P   C

AGA GTC AGA TTC CCA TCC TTG TAC TAC AAC CCA GAT GAA AAA AAA TGC CTC
 R   V   R   F   P   S   L   Y   Y   N   P   D   E   K   K   C   L

GAG TTT ATT TAT GGT GGA TGC GAA GGG AAT GCT AAC GAT TTT ATG ACC AAA
 E   F   I   Y   G   G   C   E   G   N   A   N   D   F   I   T   K

GAG GAG TGT GAA AGC ACG TGT GG(N) AGT
 E   E   C   E   S   T   C   G     S
```

FIG. 6

```
ATG AAG GAC CGG CCT GAG TTG TGT GAA CTG CCT CCT GAC ACC GGA CCA TGT
 M   K   D   R   P   E   L   C   E   L   P   P   D   T   G   P   C

AGA GTC AGA TTC CCA TCC TTG TAC TAC AAC CCA GAT GAA CAA AAA TGC CTC
 R   V   R   F   P   S   L   Y   Y   N   P   D   E   Q   K   C   L

GAG TTT ATT TAT GGT GGA TGC GAA GAG AAT GAT AAC GCT TTT ATG ACC AAA
 E   F   I   Y   G   G   C   E   E   N   D   N   A   F   M   T   K

GAG GAG TGT GAA AGC ACG TGT CC(N) GGT
 E   E   C   E   S   T   C        G   G
```
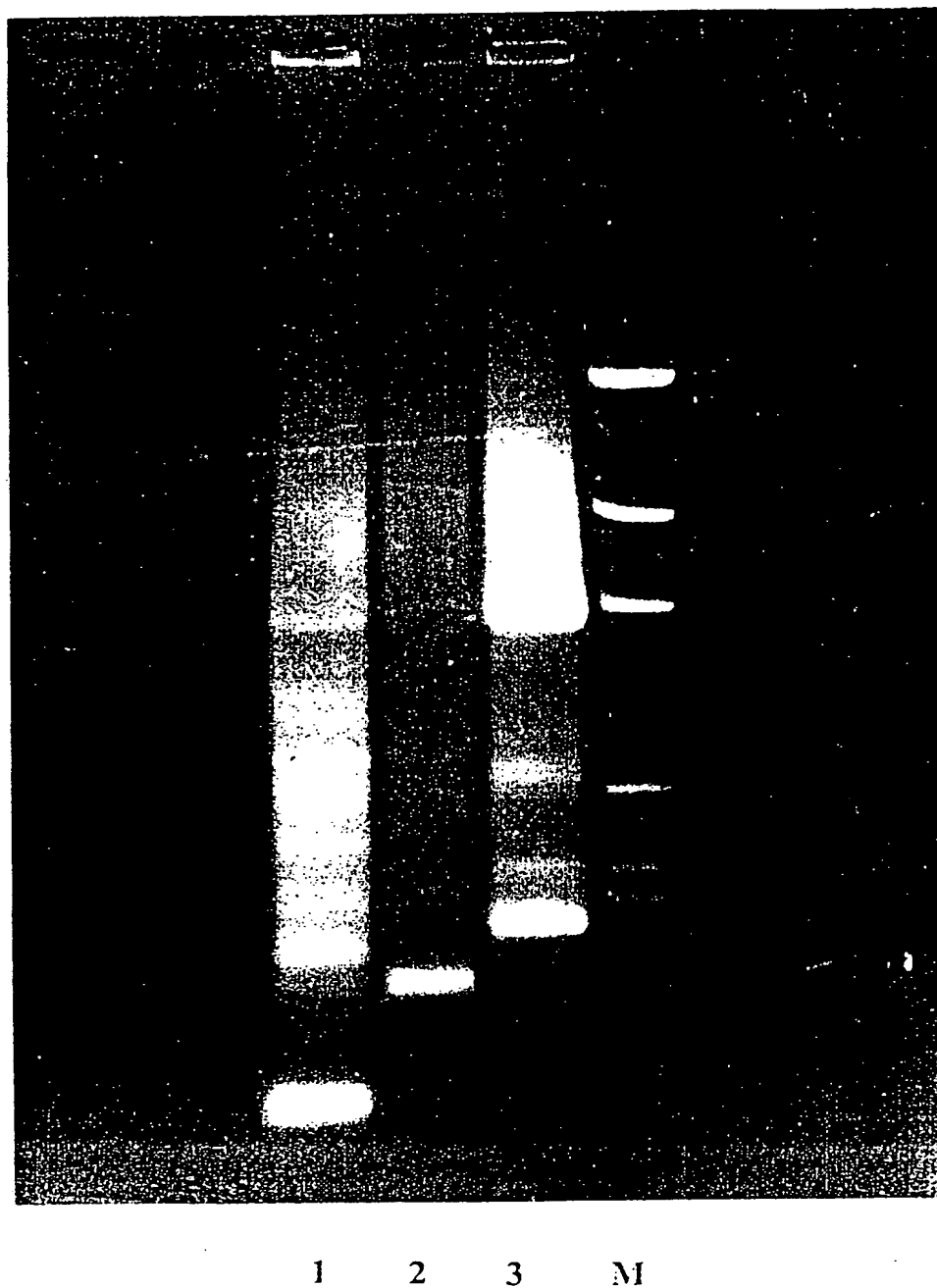
FIG. 7

FIG. 8

ggagcttcatcATGTCTTCTGGAGGTCTTCTTCCTGCTGGGACTCCTCACCCTCTGGGAGGTG

CTGACCCCCGTCTCCAGCAAGGACCGTCCAGAGTTGTGTGAACTGCCTCCTGACACCGGACCATGTAGAGTC

AGATCCCCATCCTTCTACTACAACCCAGATGAACAAAAATGCCTAGAGTTTATTTATGGTGGATGCCGAAGGG

AATGCTAACCAATTTTATCACCAAAGAGGAATGCCGAAAGCACCTGTGCCTGCTGAAtgaggagaccctcctg

gattggatcgacagttccaactttgacccaaagaccctgcttctgccctggacaccccttcccc

caaaccccacccctggactaattccttttctctgcaataaagctttggttccagct

FIG. 9

Txln 1

MSSGGLLLLLLGLLTLWEVLTPVSSKDRPDFCELPADTGPCRVR
FPSFYYNPDEKKCLEFIYGGCEGNANNFITKEECESTCAA

Txln 1

ATGTCTTCTGGAGGTCTTCTTCTCCTGCTGGGACTCCTCACC
CTCTGGGAGGTGCTGACCCCCGTCTCCAGCAAGGACCGTCCGGATTTCTG
TGAACTGCCTGCTGACACCGGACCATGTAGAGTCAGATTCCCATCCTTCT
ACTACAACCCAGATGAAAAAAGTGCCTAGAGTTTATTTATGGTGGATG
CGAAGGGAATGCTAACAATTTTATCACCAAAGAGGAATGCGAAAGCACC
TGTGCTGCCTGA

Txln 2

MSSGGLLLLLLGLLTLWEVLTPVSSKDRPELCELPPDTGPCRVR
FPSFYYNPDEQKCLEFIYGGCEGNANNFITKEECESTCAA

Txln 2

ATGTCTTCTGGAGGTCTTCTTCTCCTGCTGGGACTCCTCACC
CTCTGGGAGGTGCTGACCCCCGTCTCCAGCAAGGACCGTCCAGAGTTGTG
TGAACTGCCTCCTGACACCGGACCATGTAGAGTCAGATTCCCATCCTTCT
ACTACAACCCAGATGAACAAAAATGCCTAGAGTTTATTTATGGTGGATG
CGAAGGGAATGCTAACAATTTTATCACCAAAGAGGAATGCGAAAGCACC
TGTGCTGCCTGA

FIG. 10

Txln 3

MSSGGLLLLLGLLTLWEVLTPVSSKDRPNFCKLPAETGRCNAK
IPRFYYNPRQHQCIEFLYGGCGGNANNFKTIKECESTCAA

Txln 3

ATGTCTTCTGGAGGTCTTCTTCTCCTGCTGGGACTCCTCACC
CTCTGGGAGGTGCTGACCCCCGTCTCCAGCAAGGACCGTCCAAATTTCTG
TAAACTGCCTGCTGAAACCGGACGATGTAATGCCAAAATCCCACGCTTCT
ACTACAACCCACGTCAACATCAATGCATAGAGTTTCTCTATGGTGGATGC
GGAGGGAATGCTAACAATTTTAAGACCATTAAGGAATGCGAAAGCACCT
GTGCTGCATGA

Txln 4

MSSGGLLLLLGLLTLWEVLTPVSSKDHPKFCELPADTGSCKGN
PVRFYYNADHHQCLKFIYGGCGGNANNFKTIEECKSTCAA

Tx-4 n

ATGTCTTCTGGAGGTCTTCTTCTCCTGCTGGGACTCCTCACC
CTCTGGGAGGTGCTGACCCCCGTCTCCAGCAAGGACCATCCAAAATTCTG
TGAACTCCCTGCTGAAACCGGATCATGTAAAGGCAACGTCCCACGCTTCT
ACTACAACGCAGATCATCATCAATGCCTAAAATTTATTTATGGTGGATGT
GGAGGGAATGCTAACAATTTTAAGACCATAGAGGAAGGCAAAAGCACCT
GTGCTGCCTGA

FIG. 10 cont'd.

Txln 5

MSSGGLLLLLLGLLTLWEVLTPVSSKDRPKFCELLPDTGSCEDF
TGAFHYSTRDRECIEFIYGGCGCNANNFITKEECESTCAA

Txln 5

ATGTCTTCTGGAGGTCTTCTTCTCCTGCTGGGACTCCTCACC
CTCTGGGAGGTGCTGACCCCCGTCTCCAGCAAGGACCGTCCAAAATTCTG
TGAACTGCTTCCTGACACCGGATCATGTGAAGACTTTACCGGAGCCTTCC
ACTACAGCACACGTGATCGTGAATGCATAGAGTTTATTTATGGTGGATGC
GGAGGGAATGCTAACAATTTTATCACCAAAGAGGAATGCGAAAGCACCT
GTGCTGCCTGA

Txln 6

MSSGGLLLLLLGLLTLWEVLTPVSSKDRPKFCELPADIGPCDDF
TGAFHYSPREHECIEFIYGGCKGNANNFNTQEECESTCAA

Txln 6

ATGTCTTCTGGAGGTCTTCTTCTCCTGCTGGGACTCCTCACC
CTCTGGGAGGTGCTGACCCCCGTCTCCAGCAAGGACCGTCCAAAGTTCTG
TGAACTGCCTGCTGACATCGGACCATGGGATGACTTTACCGGAGCCTTCC
ACTACAGCCCACGTGAACATGAATGCATAGAGTTTATTTATGGTGGATGC
AAAGGGAATGCTAACAACTTTAATACCCAAGAGCAATGCGAAAGCACCT
GTGCTGCCTGA

FIG. 10 cont'd.

Consensus sequence for Textilinins

```
           1                                                                            83

1.Txln1-   MSSGGLLLLLGLLTLWEVLTPVSSKDREDFCELPADTGPCRVRFPSFYYNPDEKKCLEFIYGGCEGNANNFITKEECESTCAA
2.Txln2-   MSSGGLLLLLGLLTLWEVLTPVSSKDRELCELPPDTGPCRVRFPSFYYNPDEQKCLEFIYGGCEGNANNIITKEECESTCAA
3.Txln3-   MSSGGLLLLLGLLTLWEVLTPVSSKDRENFCKLPAETGRCNAKIPRFYYNPRQHCIEFIYGGCGGNANNIFKTIKECESTCAA
4.Txln4-   MSSGGLLLLLGLLTLWEVLTPVSSKDHPKFCELPADTGSCKGNPVRFYYNADHHQLKFIYGGCGGNANNIFKTIEECESTCAA
5.Txln5-   MSSGGLLLLLGLLTLWEVLTPVSSKDRPKFCELPDTGSCEDFTGAFHYSTRDRECIEFIYGGCGCNANNEIITKEECESTCAA
6.Txln6-   MSSGGLLLLLGLLTLWEVLTPVSSKDRPKFCELPADIGPCDDFTGAFHYSPREHECIEFIYGGCKGNANNIFNTQEECESTCAA

consensus- MSSGGLLLLLGLLTLWEVLTPVSSKDrP  fCeLpadtGpC  r p  fyYnprek CieFiYGGC  GNANNFiTkeECESTCAA
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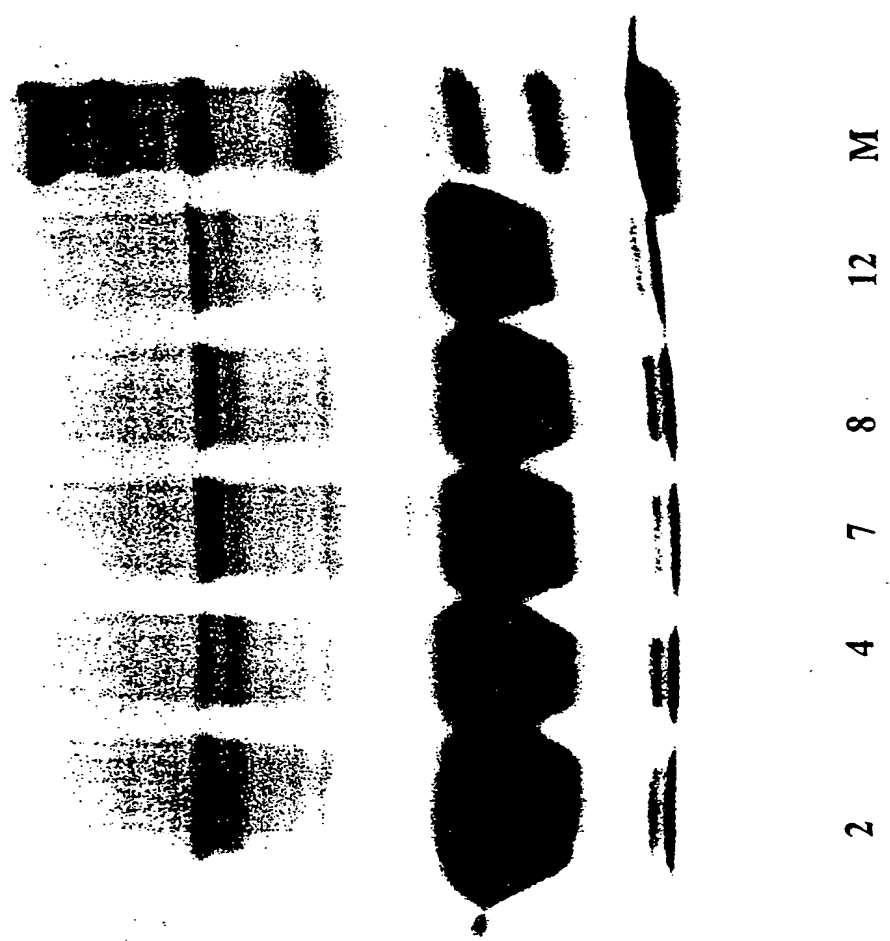
FIG. 11

FIG. 12